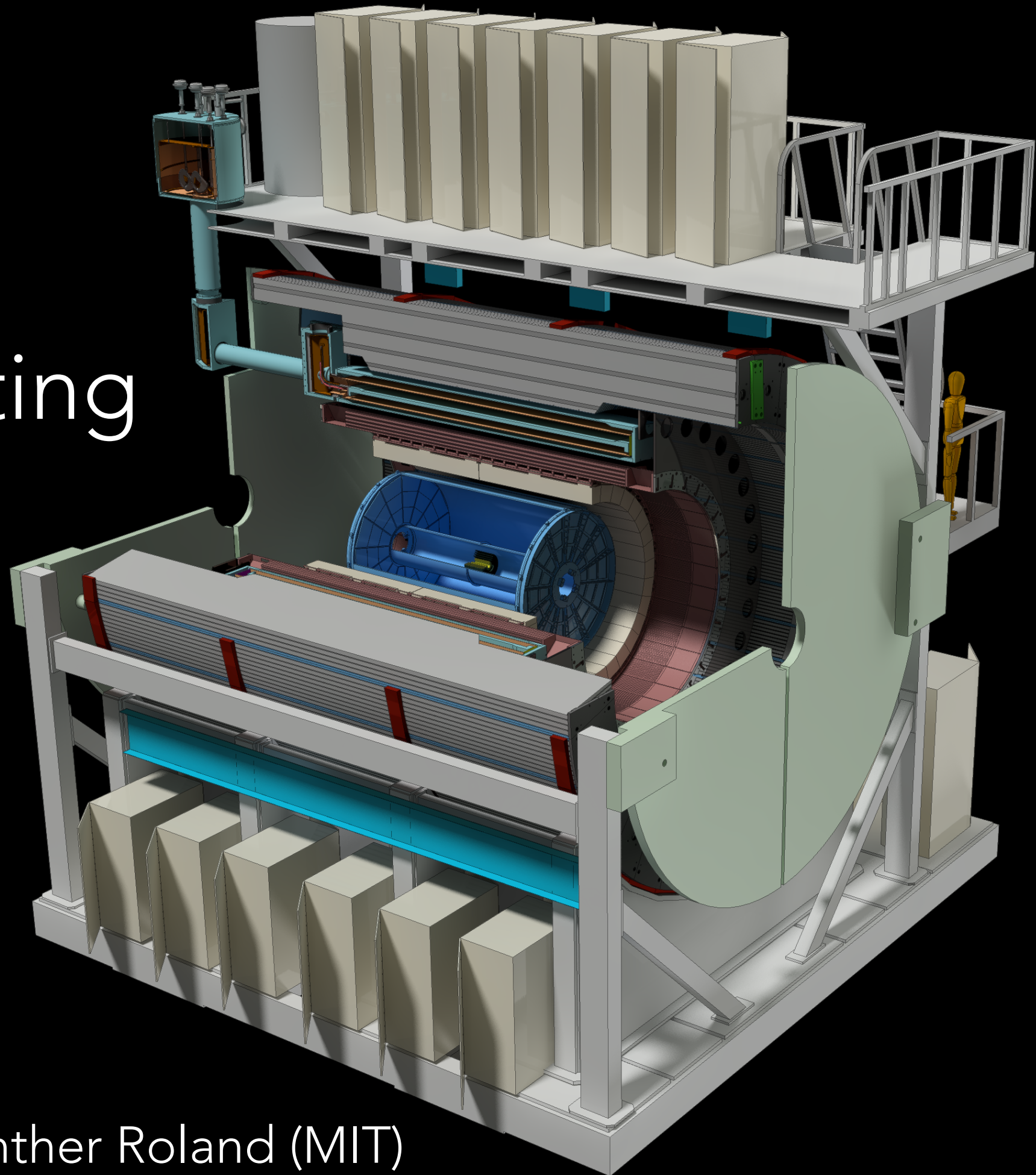


sPHENIX  
General meeting  
April 28, 2017



Dave Morrison (BNL), Gunther Roland (MIT)

# Agenda

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## Friday, June 30, 2017

- |               |   |
|---------------|---|
| 12:00 - 12:30 | <b>sPHENIX collaboration news 30'</b><br>Speakers: Dr. David Morrison (BNL), Prof. Gunther Roland (MIT) |
| 12:30 - 12:40 | <b>Juniors' EC election 10'</b><br>Speaker: Megan Connors (Georgia State University RBRC)               |
| 12:40 - 13:10 | <b>sPHENIX Project Update 30'</b><br>Speaker: Edward O'Brien (BNL)                                      |
| 13:10 - 13:40 | <b>Open HF mesons 30'</b><br>Speaker: Dr. Xin Dong (Lawrence Berkeley National Laboratory)              |

# New collaborators

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- IB vote on CCNU, Purdue, Saclay membership ended last Friday
- All three institutions admitted to sPHENIX!
- Now identifying IB members, collaborators

# sPHENIX author list

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- Please check author list prepared for QM NPA volume
- IB members! But x-check by each collaborator can't hurt
- Send corrections to Dave and/or Gunther
- Find copy of sPHENIX phone book on our website:  
<https://www.sphenix.bnl.gov/pnb/client/> or as .pdf:  
<https://www.dropbox.com/s/9l79q63gqfbhd1l/sphenix-phonebook-1498677218.pdf?dl=0>

# Upcoming events

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- July 11-12: MVTX Director's review @ BNL
- August 2-4: sPHENIX Director's review @ BNL
- Fall DNP meeting
- [November 7-9: DOE CD-1 review]
  - not cancelled yet

# Upcoming sPHENIX notes

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- Expect to send HF notes for collaboration review today
  - 1 week review period; material to be shown at MVTX Director's review
- Expected soon
  - Tracking performance note
  - Jet performance note
  - sPHENIX CDR

# sPHENIX and DOE NP medium energy program

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- Discussion at collaboration meeting, followed by reports that ME program manager disallowed use of new ME funding for sPHENIX
- Puzzling strategic move, as sPHENIX seen as key step towards eRHIC
- co-SP discussed with ALD, who discussed with Tim Hallman
- Upshot: We need to educate DOE NP (AD and ME PM) on the importance of ME/spin physics program with sPHENIX MIE configuration (+MVTX)
- Asked to produce short document (O(15) pages?)
  - Focus on physics with central detector
  - Brief discussion of physics with central detector + forward upgrade
  - Brief discussion of connection to EIC (focus on physics, rather than detector re-use)

# sPHENIX and DOE NP medium energy program

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- Time is of the essence
  - First thought by ALD was to have a few page document by late next week...
- Discuss after this presentation
- Homework for cold QCD group, yet again
- Need to put best physics case forward - many of the world's experts are members of the collaboration!



# August Director's review and MIE budget

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- Cost range for MIE set at \$29-35M
- Constrained by cashflow, but also set in CD-0 documents
- ALD guidance: “bring the estimated cost down into the \$32M range”
- Currently standing at ~\$37M
- Need to present plausible (if not final) scenarios at Director's review

# August Director's review and MIE budget

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- More from Ed, followed by discussion; Some basic thoughts:
  - Due to the large fraction of MIE cost in HCAL, solution needs to involve changes to iHCAL and/or oHCAL construction
    - optimal solution: international contribution (IHEP)
    - Staging of EMCAL: Physics vs practicality
- We have not been asked to produced a written document, but:
  - need a plausible scenario
  - clearly project and collaboration need to be on the same page